

## Board Administration and Regulatory Coordination Unit

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### Division 3. Air Resources Board

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### Chapter 5. Standards for Motor Vehicle Fuels

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### Article 3. Specifications for Alternative Motor Vehicle Fuels

#### § 2292.7. Specifications for Hydrogen.

The following standards apply for hydrogen

(The identified test methods are incorporated herein by reference):

#### *Specifications for Hydrogen*

<i>Specification</i>	<i>Value</i>	<i>Test Method</i>
Hydrogen	98.0 mole % (min.)	ASTM D 1946-90
Combined hydrogen water, oxygen and nitrogen	98.0 mole % (min.)	ASTM D 1946-90 for hydrogen, nitrogen and nitrogen oxygen; ASTM D 1142-90 for water using the Bureau of Mines apparatus
Total Hydrocarbons	0.01 mole % (max.)	ASTM D 1946-90
Particulate matter	<sup>a</sup>	
Odorant	<sup>b</sup>	

<sup>a</sup> The hydrogen shall not contain dust, sand, dirt, gums, oils, or other substances in an amount sufficient to be injurious to the fueling station equipment or the vehicle being fueled.

<sup>b</sup> Starting 1/1/95, the hydrogen fuel at ambient conditions must have a distinctive odor potent enough for its presence to be detected down to a concentration in air of not over 1/5 (one-fifth) of the lower limit of flammability. This requirement applies only to hydrogen which is introduced into the vehicle fuel storage system in gaseous form.

NOTE: Authority cited: Sections 39600, 39601, 43013, 43018 and 43101, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal. 3d 411, 121 Cal. Rptr. 249 (1975). Reference: Sections 39000, 39001, 39002, 39003, 39010, 39500, 40000, 43000, 43016, 43018 and 43101, Health and Safety Code; and *Western Oil and Gas Ass'n. v. Orange County Air Pollution Control District*, 14 Cal. 3d 411, 121 Cal. Rptr. 249 (1975).

#### REFERENCE